

By the Numbers West Valley Demonstration Project

The West Valley Demonstration Project (WVDP) is a radioactive waste management and decommissioning project, which is being conducted by the Department of Energy at the site of the only commercial nuclear fuel reprocessing plant to have operated in the United States. The Western New York Nuclear Service Center and its facilities are owned by the New York State Energy Research and Development Authority. DOE's mission at the site is to satisfy three mandates established by Congress in the West Valley Demonstration Project Act of 1980.

DOE has completed the first mandate of the Act. The 278 canisters of vitrified high-level waste from the former spent fuel reprocessing plant have been removed from the Main Plant Process Building and placed into vertical storage casks. Demolition and waste disposition of the Vitrification Facility were completed in September 2018 and January 2019, respectively. The demolition of the Main Plant Process Building began on September 21, 2022, and is expected to take about 30 months to complete. DOE continues to package and ship low-level waste from the WVDP site.

69 surplus facilities removed from the site.



3.2M

cubic feet of low-level waste have been shipped off-site for disposal.

>7 miles

of piping and over 50 tons of vessels and equipment have been removed from predominantly high-hazard areas of the former reprocessing plant.

By 2025

WVDP will focus on completing remaining facility decommissioning activities, including demolition of the last remaining major building – the former Main Plant Process Building.

Approx. 300

intermodals of Main Plant Process Building demolition debris shipped via rail for disposal since October 2022.



278

waste containers of vitrified high-level radioactive waste were removed from the storage cell in the former reprocessing plant, loaded into 56 vertical storage casks, and stored onsite awaiting a permanent repository.

28,952

cubic feet of WVDP transuranic waste are stored onsite pending availability of an off-site disposal facility.

~36,000 square feet

of asbestos-containing material was removed from the former reprocessing plant.

24M

curies of radioactivity were solidified in 600 tons of glass contained in 275 stainless steel canisters.



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